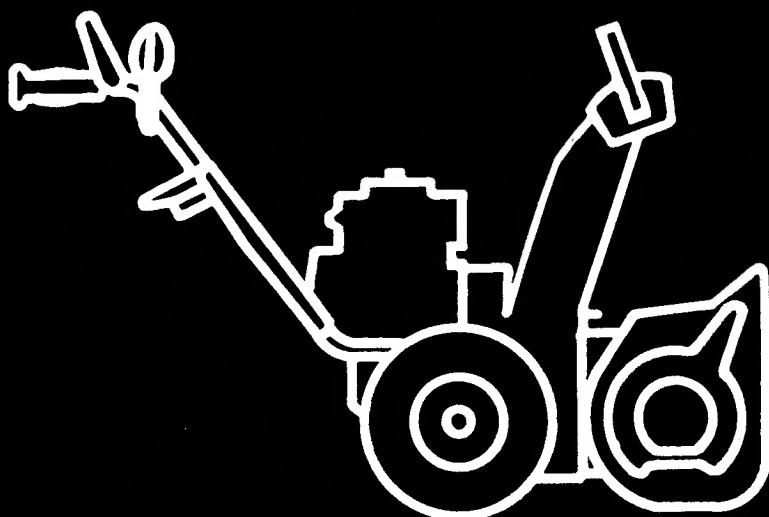


Ariens

924 Series

Sno-Thro®

Parts Manual



Ariens Service

A Message to Ariens Parts Manual User

Your Ariens Dealer will be happy to supply any service or advice which may be required to keep your Ariens equipment operating at peak efficiency. He stocks genuine Ariens parts and lubricants; manufactured with the same precision and skill as the original equipment. His factory trained staff is kept well informed on the best methods of servicing Ariens equipment and is ready and able to

service you. If engine repairs or services are required, they can be obtained from an Ariens Dealer or from an authorized engine manufacturer's service center. If service is required, be prepared to supply the service person with the Model Number and Serial Number of the equipment and engine, as well as a full description of the problem encountered.

Introduction

The information contained here in is intended for use by Ariens Dealer's trained servicemen and serves as a supplement to and reminder of training sessions conducted by Ariens Company. Before you attempt any repair, adjustment or maintenance project, be certain that you have read and fully understand the instructions in your Owner's and Repair Manuals. Understand and follow each Danger, Warning, Caution and all instructions exactly as given. Also be sure that you have all tools, replacement parts and other materials required to complete the project.

A network of Ariens Dealers and Distributors is maintained in order to assure you of an adequate supply of replacement parts and technical assistance. Your local Ariens Dealer is required to order parts thru his distributor. When replacement parts are required, use only genuine Ariens parts. Failure to do so may result in product malfunction and possible injury to operator and/or bystander. NOTE:

All references to "Left", "Right", "Front" and "Rear" are given from operators position.

NOTE: The descriptions and specifications contained in this manual were in effect at the time the manual was approved for printing. Ariens Company reserves the right to discontinue models without notice and without incurring obligation. The equipment described within this manual may not be identified as either standard or optional and the various illustrations may not all be applicable to your particular unit. If you have questions, always check with your Ariens Dealer.

NOTE TO ARIENS DEALERS: Refer to your current Parts Price List for suggested parts stocking. Service training for dealers is available at the Ariens Service School. See your Ariens Distributor for the latest school schedule.

Model

Model 924050 (ST824)
8HP - 24" Sno-Thro
Serial No. 050501 and up

Model 924051 (TT8)
8HP - Sno-Thro Tractor
Serial No. 000501 and up

Model 924071 (ST1136)
11HP - 36" Sno-Thro
Serial No. 001701 and up

Model 924073 (ST1032)
10HP - 32" Sno-Thro
Serial No. 005301 and up

Model 924074 (ST524)
5HP - 24" Sno-Thro
Serial No. 000101 and up

Model 924075 (ST824)
8HP - 24" Sno-Thro
Serial No. 000101 and up

Model 924076 (ST1236)
12HP - 36" Sno-Thro
Serial No. 000101 and up

Model 924077 (ST828)
8HP - 28" Sno-Thro
Serial No. 000101 and up

ATTACHMENTS

Model 824004 - 36" Rotary Brush
Serial No. 000501 and up

This manual covers the models listed. Specific Model and Serial Numbers of your unit and attachment are on a label on the unit. Record these numbers in the space provided and use them whenever parts or service are required.

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Model Number - _____

Serial Number - _____

How To Order Repair Parts

This Parts Manual is arranged for easy identification of genuine Ariens Service parts that are illustrated showing their relationship to one another. Item numbers in the illustrations correspond to Item numbers in the first column of the parts list and are followed by the Ariens Part Number, Description and Quantity with variations between models and/or serial numbers designated in the part description. SN 000000 means this serial number and up, with SN <000000 meaning up to this serial number.

Order parts from your nearest authorized Ariens Dealer. For prompt service when ordering parts, provide the following information.

- 1. MODEL AND SERIAL NUMBERS OF EQUIPMENT.**
- 2. PART NUMBER (not Item Number)**
- 3. DESCRIPTION**
- 4. QUANTITY REQUIRED**

Decals

DANGER



ROTATING PARTS
Stop engine &
remove ignition
key before
clearing.

077992

FRANCE	077992-01
FINLAND	077992-05
SWEDEN	077992-03
NORWAY	077992-04
GERMANY	077992-02

WARNING

MUFFLER &
ADJACENT AREAS
MAY EXCEED 150° F.

078601

FRANCE	078677
FINLAND	078816
SWEDEN	078854
NORWAY	078855
GERMANY	078953

Engine Primer Push to prime

078606

FRANCE	078684
FINLAND	078818
SWEDEN	078883
NORWAY	078858
GERMANY	078955

CAUTION

CHECK INTERLOCK BEFORE
EACH USE. IF CLUTCHES DO
NOT FUNCTION PROPERLY,
PER OWNERS MANUAL;
ADJUST OR REPAIR BEFORE
OPERATING UNIT.

077875

FRANCE	077875-01
FINLAND	077875-05
SWEDEN	077875-03
NORWAY	077875-04
GERMANY	077875-02

Choke
Off • • • Full

078603

FRANCE	078683
FINLAND	078940
SWEDEN	078842
NORWAY	077848
GERMANY	078951

Off • • • Full
Choke

078602

FRANCE	078682
FINLAND	078822
SWEDEN	078838
NORWAY	078849
GERMANY	078946

Clutch Lever

Depress for
attachment
drive

078617

FRANCE	078674
FINLAND	078821
SWEDEN	078884
NORWAY	078859
GERMANY	078947

Clutch
Lever
Depress
for
wheel
drive

078616

FRANCE	078675
FINLAND	078820
SWEDEN	078885
NORWAY	078860
GERMANY	078950

DANGER


ROTATING
PARTS
Keep clear
of auger
while engine
is running.

SAFETY INSTRUCTIONS

AVOID POTENTIAL HAZARDS

- Read owners manual for operating and safety instructions.
- Observe all labels and instructions.
- Stop engine, remove ignition key and wait for all movement to stop before unclogging or servicing machine.
- Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction.
- Keep the area of operation clear of all persons, especially children.
- Never start discharge at bystanders or allow anyone in the unit.
- Keep machine properly maintained and serviced with all shields, guards, and protective devices in place.

077991

FRANCE	077991-01
FINLAND	077991-05
SWEDEN	077991-03
NORWAY	077991-04
GERMANY	077991-02

8 HP

Engine Primer
push to prime

8 H.P. 077873

10 H.P. 077874

12 H.P. 077813

Decals

Attention

When using summer attachments, remove heater box and install air cleaner.

Engine Instructions

CAUTION:

⚠ For your personal protection, read all safety notes in engine owner's manual.

OPERATION:

For detailed lubrication, starting & operating instructions, see engine owner's manual & equipment mfr.'s instructions.

LUBRICATION:

Summer SAE 30 Oil
Winter SAE 5W-30 Oil

078826

078828

FRANCE	078832
FINLAND	078834
SWEDEN	078839
NORWAY	078865
GERMANY	078958

Throttle



078935

078935

FRANCE	078942
FINLAND	078942
SWEDEN	078942
NORWAY	078942
GERMANY	078942

078644

FRANCE	078685
FINLAND	078833
SWEDEN	078846
NORWAY	078853
GERMANY	078834



078627

Ariens ST824

5 H.P. 078640
7 H.P. 078641
8 H.P. 078642
10 H.P. 078643
11 H.P. 078934

Deflector
1/4 Turn
To Lock

Pull To Raise
Push To Lower

078936

FRANCE	078968
FINLAND	078967
SWEDEN	078943
NORWAY	078944
GERMANY	078964

This engine has provisions for electric starter kit.

078607A

078607

FRANCE	078686
SWEDEN	078844
GERMANY	078945

078827

FRANCE	078831
FINLAND	078966
SWEDEN	078827
NORWAY	078827
GERMANY	078827

MS Throttle FS

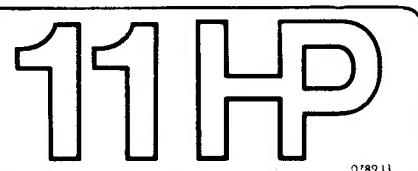
078604

FRANCE	078693
FINLAND	078819
SWEDEN	078882
NORWAY	078857
GERMANY	078957

CAST IRON BORE

077976

FRANCE	077976-01
FINLAND	077976-05
SWEDEN	077976-03
NORWAY	077976-04
GERMANY	077976-02



078911

Ariens ST824

ST 824 077899
ST 828 077811
ST 1032 077900
ST 1136 077901
ST 1236 077812

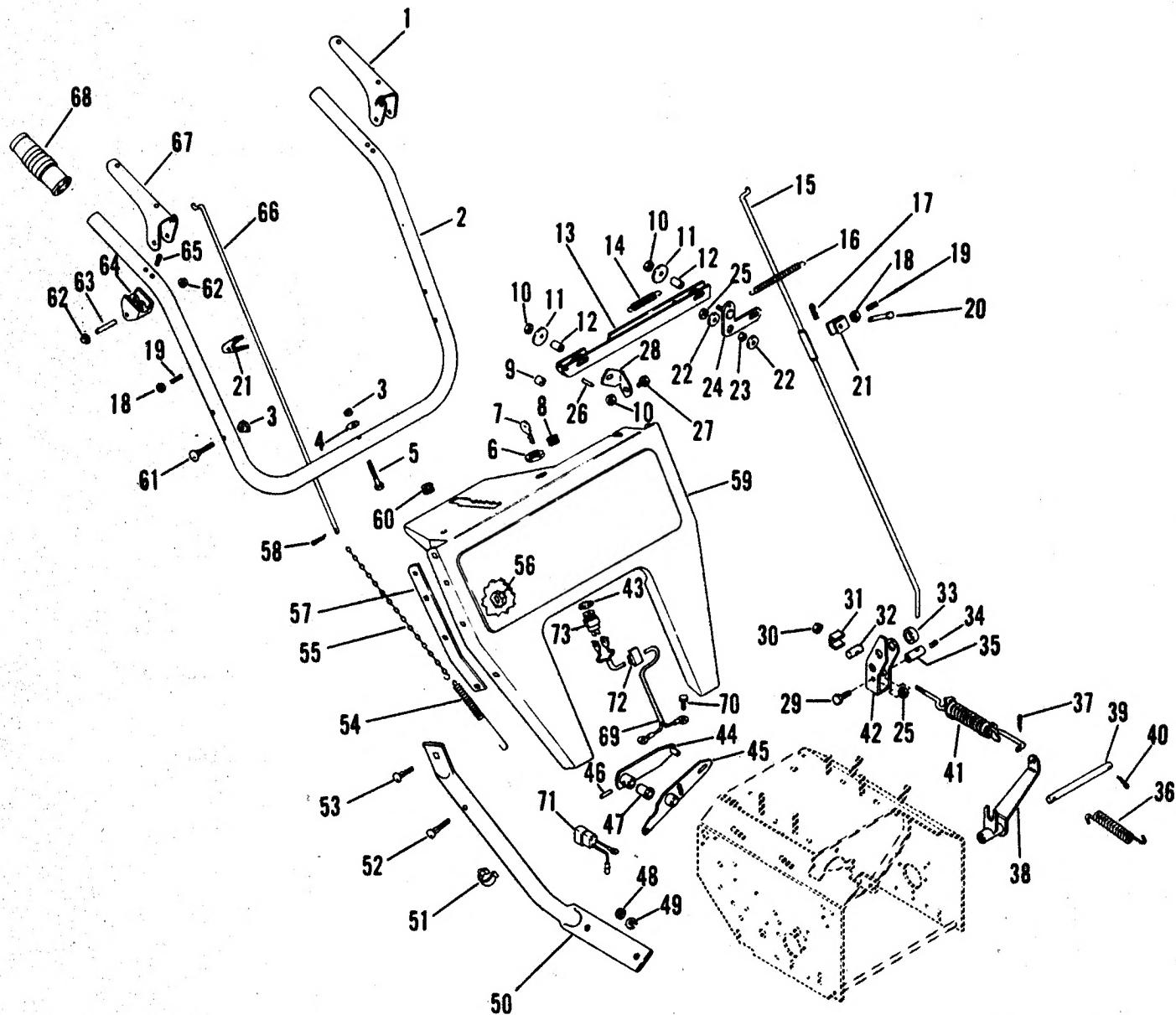


077805

5 H.P. Engine Decal	078611
7 H.P. Engine Decal	078637
8 H.P. Engine Decal	078636
10 H.P. Engine Decal	078635
11 H.P. Engine Decal	078933

Handlebars and Controls

Models 924050, 51, 71, 73, 74, 75, 76, 77



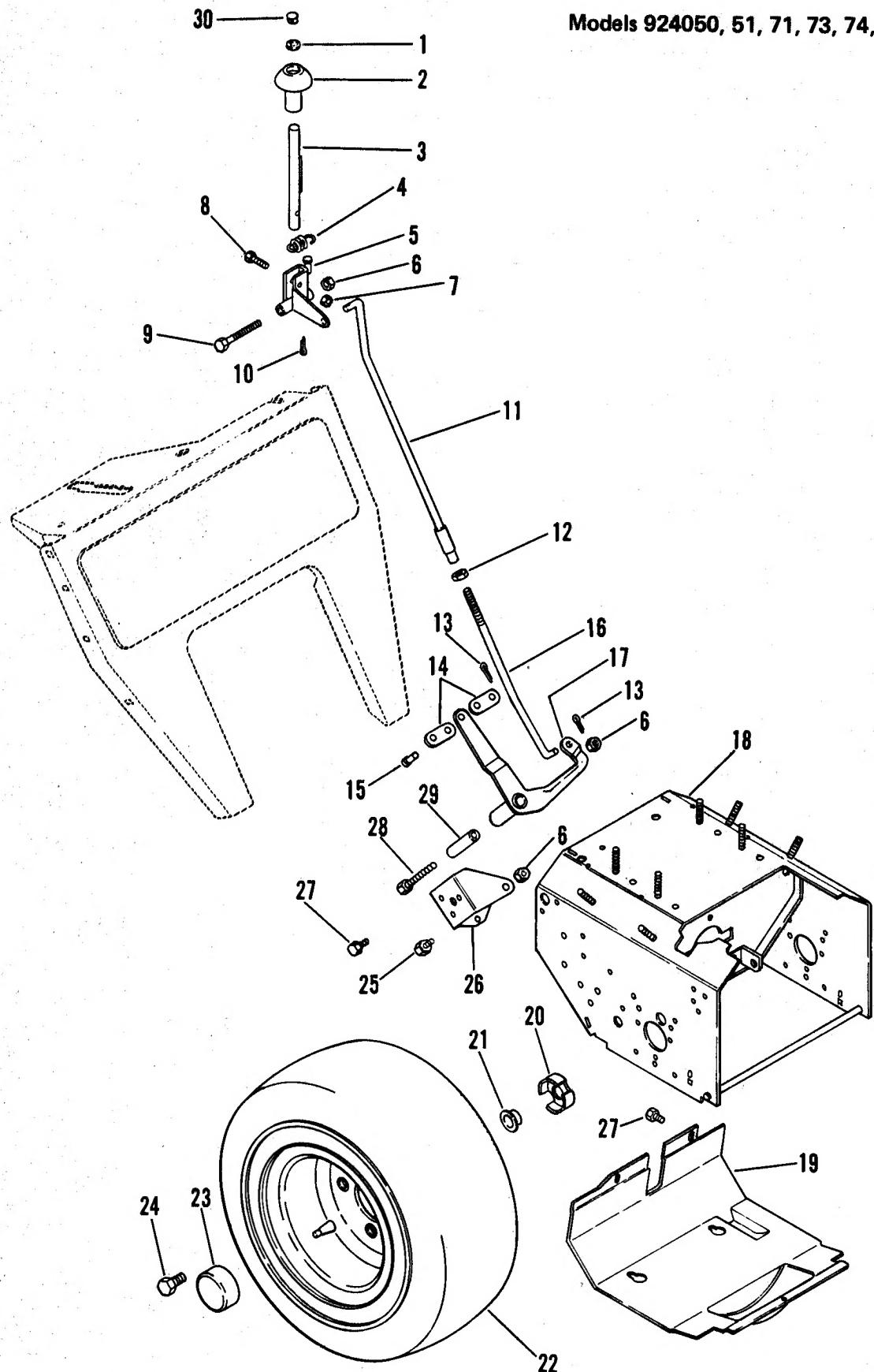
Handlebars and Controls

Models 924050, 51, 71, 73, 74, 75, 76, 77

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	32135	Wheel Drive Clutch Lever	1	37	67001	Cotter Pin 3/32 x 3/4	1
2	24431	Upper Handlebar (50,51,71,73,74,76,77)	1	38	24272	Clutch Fork	1
	24573	Upper Handlebar (75)	1	39	24069	Fork Pivot Rod	1
3	65056	Flange Whiz-Lock Nut 1/4-20	5	40	67002	Cotter Pin 3/32 x 1"	2
4	64094	Washer .260/.270 x .5 x .087	1	41	524047	Spring Assembly	2
5	59050	Cap Screw 1/4-20 x 1-1/2	1	42	24228	Clutch Engagement Yoke	1
6	65075	Key Switch Nut 5/8-32	1	43	63019	Lock Washer 5/8	1
7	13157	Key	2	44	32010	Lever Clutch	1
8	75095	Snap Bushing	1	45	24429	Lever	1
9	55131	Sleeve Bushing	1	46	58026	Roll Pin 5/32 x 7/8	1
10	65040	Center Lock Nut 1/4-20	3	47	55037	Flange Bushing	1
11	64037	Washer .281 x 1.250 x .062	2	48	65018	Nut 3/8-16	4
12	55132	Sleeve Bushing	2	49	63004	Lock Washer 3/8	4
13	24459	Slider	1	50	24446	L.H. Lower Handlebar	1
14	83149	Extension Spring 2-3/4	1	51	69012	R.H. Lower Handlebar	1
15	24433	Traction Clutch Rod (50,51,71,73,74,76,77)	1	52	62062	Clamp	1
	24444	Traction Clutch Rod (75)	1	53	62067	Carriage Bolt 5/16-18 x 1-1/2	2
16	83187	Extension Spring 4"	1	54	83183	Carriage Bolt 5/16-18 x 3/4	2
17	67019	Hair Pin	1	55	2270	Extension Spring 5-1/4	1
18	65099	Hex Jam Nut 1/4-20	2	56	65078	Clutch Chain	1
19	60036	Set Screw 1/4-20 x 3/4	2	57	24467	Flange Whiz-Lock Nut 5/16-18	4
20	24458	Clevis Pin	1	58	67018	L.H. Stiffener	1
21	24457	Clevis	2	59	524062	R.H. Stiffener	1
22	64090	Washer .312/.343 x .875 x .062	2	60	75050	Pin-Cotter Pin 1/8 x 1/2	1
23	10358	Spacer Bushing	1	61	62060	Upper Handlebar Panel w/Decal	1
24	24460	Bellcrank	1	62	22153	Snap Bushing	1
25	65042	Two Way Lock Nut 5/16-18 Gr A	2	63	24539	Carriage Bolt 1/4-20 x 1-1/2	4
26	58005	Roll Pin 3/16 x 1/8	1	64	22129	Push Nut	4
27	59028	Cap Screw 1/4-20 x 1/2	1	65	74039	Pin	2
28	24549	Stud Brace	1	66	24456	Handle Pivot	2
29	59022	Cap Screw 5/16-18 x 3/4	1	67	32136	Tapping Screw #12-14 x 1-1/2	4
30	65062	Nylon Lock Nut 5/16-18	1	68	75006	Attachment Clutch Rod	1
31	10542	Adapter Spacer	1	69	22161	Attachment Clutch Lever	1
32	24227	Adapter	1	70	74015	Grip	2
33	24086	Spacer	1	71	24551	Shorting Wire	1
34	60012	Set Screw 5/16-18 x 3/8	1	72	24584	Taptite 1/4-20 x 3/8	1
35	22135	Rod Adapter	1	73	75107	Jumper (71)	1
36	83094	Extension Spring 3-1/16	1		24565	Jumper (73,76,77)	1
						Wire Clip	1
						Key Switch Assembly	1

Speed Selector and Wheels

Models 924050, 51, 71, 73, 74, 75, 76, 77



Speed Selector and Wheels

Models 924050, 51, 71, 73, 74, 75, 76, 77

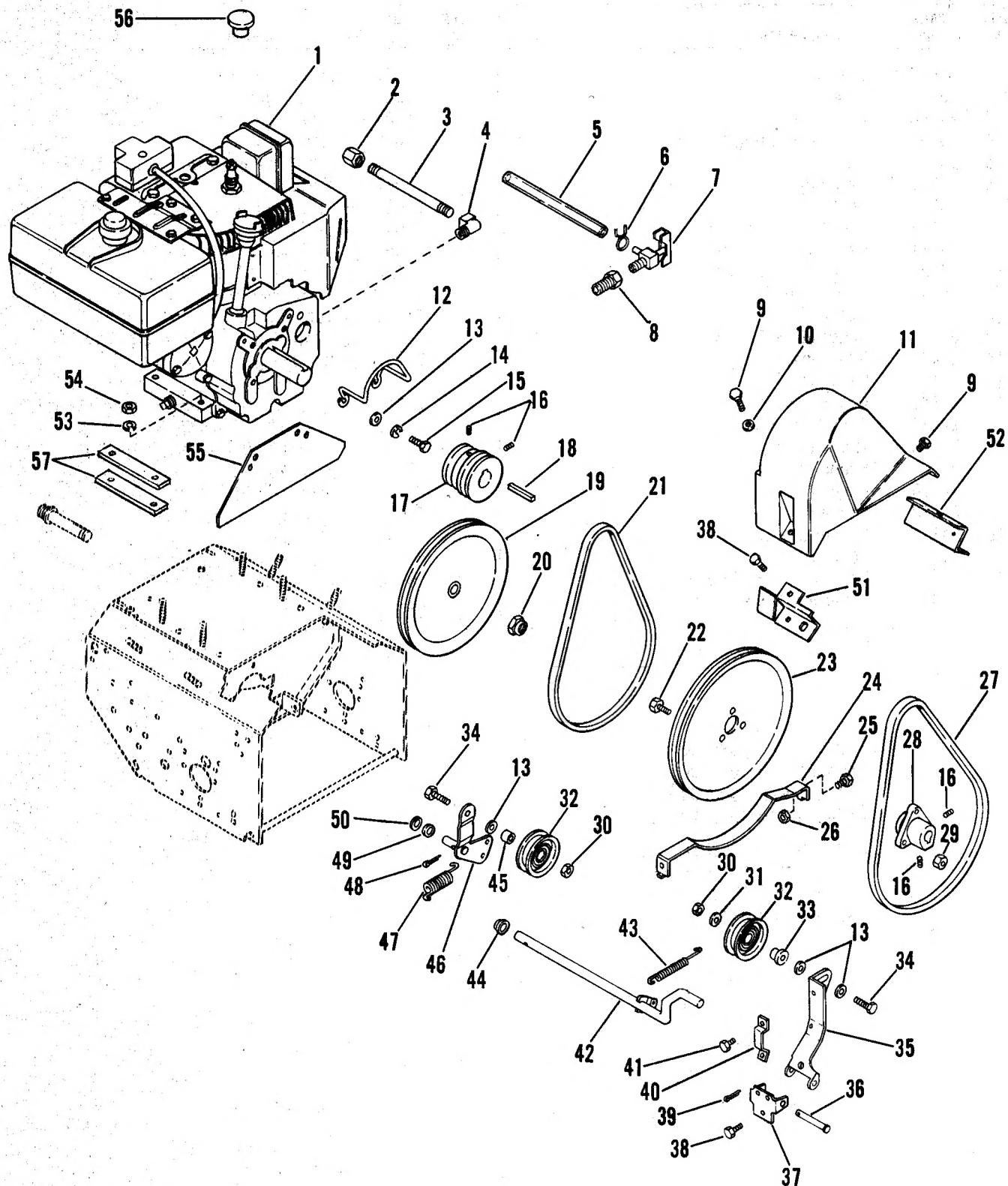
ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	57086	Snap Ring 1/2	1	22	71037	Inner Tube 8 x 4.00 (50,51,74)	2
2	75096	Knob	1	71050	Inner Tube 6 x 4.10/3.50 (75)	2	
3	24448	Rod	1	71087	Inner Tube 8 x 6.50 (71,73)	2	
4	83184	Extension Spring 1-1/16	1	71052	Rim 6" OD (75)	2	
5	24443	Pivot	1	71076	Rim 8 x 4.80/4.00 (50,51,74,77)	2	
6	65042	Two Way Lock Nut 5/16-18 Gr A	3	71077	Rim 8 x 6.50 (71,73,76)	2	
7	65040	Center Lock Nut 1/4-20	1	71021	(A)Turf Saver Tire 8 x 6.50 (71,73)	2	
8	59132	Cap Screw 1/4-20 x 1	1	71046	(A)Turf Saver Tire 6 x 4.10/3.50 (75)	2	
9	59131	Cap Screw 5/16-18 x 2-1/4	1	71052	(A)Turf Saver Wheel w/Tire (71,73)	2	
10	67024	Cotter Pin 1/8 x 3/4	1	71082	(A)Turf Saver Tire (50,51,74)	2	
11	24442	Upper Shift Rod	1	71151	(A)Turf Saver Wheel w/Tire (50,51,74)	2	
12	65031	Nut 5/16-24	1	71165	(A)Turf Saver Wheel w/Tire (75)	2	
13	67001	Cotter Pin 3/32 x 3/4	3	71216	(B)Snow-Hog Tire 16 x 6.50-8 (71,73,76)	2	
14	24493	Shift Link	2	71217	(B)Snow-Hog Wheel w/Tire 6.50 (71,73,76)	2	
15	12151	Clevis Pin	2	71218	(B)Snow-Hog Tire 4.80/4.00-8 (50,51,77)	2	
16	24441	Lower Shift Rod	1	71219	(B)Snow-Hog Wheel w/Tire 4.50/4.00 x 8 (50,51,77)	2	
17	24232	Shift Arm Lever	1	23	3377	Hub Cap	1
18	24588	Frame (50,51,73,77)	1	24	74063	Taptite 1/2-20 x 5/8	8
	24502	Frame (71)	1	25	59039	Cap Screw 5/16-18 x 1/2	1
	24436	Frame (74,75)	1	26	24231	Shift Lever Bracket	1
	24589	Frame (76)	1	27	74014	Taptite 5/16-18 x 1/2	7
19	24430	Bottom Cover	1	28	59136	Cap Screw 5/16-18 x 3	1
20	35169	Spindle Cup	1	29	24115	Spacer	1
21	10366	Pushnut (50,51,71,73)	1	30	75167	Hole Plug	1
	67014	Cotter Pin 1/8 x 1-1/4 (74,75)	1				

(A) 924050 S/N <085100>
 924051 S/N <000700>
 924071 S/N <008200>
 924073 S/N <012400>

(B) 924050 S/N 085101>
 924051 S/N 000701>
 924071 S/N 008201>
 924073 S/N 012401>

Engine and Belt Drive

Models 924050, 51, 71, 73, 74, 75, 76, 77



Engine and Belt Drive

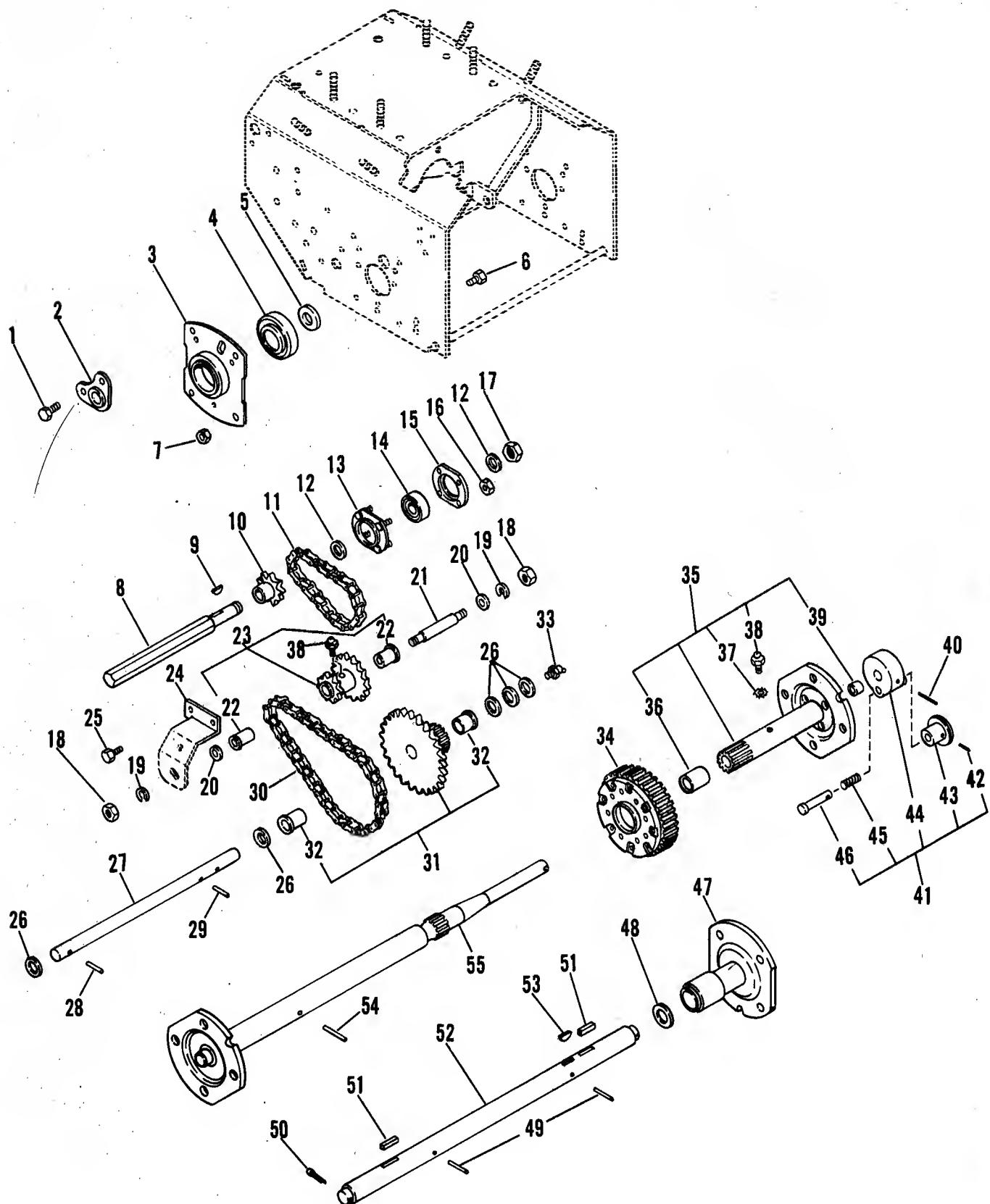
Models 924050, 51, 71, 73, 74, 75, 76, 77

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	82196	Order Engine and Parts from Engine Manufacturers Dealer 5 HP Engine (74) Tecumseh HSK50-65496	1	20	65077	Nylon Lock Nut 5/8-18	1
	82236	7 HP Engine (75) Tecumseh HSK70-130210K	1	21	72066	V-Belt (50,51,73,74,77)	1
	82197	(A)8 HP Engine (50,51) Tecumseh HMSK80-155276J	1	22	72098	V-Belt (75)	1
	82214	(B)8 HP Engine (50,51) Tecumseh HMSKB0-155276K	1	23	72131	V-Belt (71,76)	1
	82233	(C)8 HP Engine (50,51,77) Tecumseh HMSK80-155316M	1	22	70060	Rib Neck Bolt 5/16-18 x 7/8	3
	82173	(A)10 HP Engine (73) Tecumseh HMSK100-159024J	1	23	73070	Pulley	1
	82215	(B)10 HP Engine (73) Tecumseh HMSK100-159024K	1	24	24236	Belt Retainer (71,73,76,77)	1
	82255	(C)10 HP Engine (73) Tecumseh HMSK100-159119M	1	25	59028	Cap Screw 1/4-20 x 1/2	2
	82174	(A)11 HP Engine (71) Briggs & Stratton 252416-0632-01	1	26	65040	Center Lock Nut 1/4-20	2
	82235	(B)11 HP Engine (71) Briggs & Stratton 252416-0739-01	1	27	72086	V-Belt (50,74)	1
	82275	12 HP Engine (76) Tecumseh OHSK 120-222001	1	27	72108	V-Belt (73,75,77)	1
	2	Hex Cap (50,51,73)	1	28	72130	V-Belt (71,76)	1
	3	Nipple (50,51,73)	1	29	24389	Hub	1
	4	Street Elbow (50,51,73)	1	30	65078	Flange Whiz-Lock Nut 5/16-18	3
	5	35101	1	31	65042	Two Way Lock Nut 5/16-18 Gr A	2
	6	30199	1	32	64007	Washer .307/.327 x .734 x .065	1
	7	35105	1	33	24574	Idler	2
	8	35077	1	34	12131	Bearing Spacer	1
	9	74049	1	35	59069	Cap Screw 5/16-18 x 1-1/4	2
	10	64065	1	36	24348	Idler Arm	1
	11	24406	1	37	24354	Clevis Pin	1
	12	24253	1	38	24347	Bracket	1
	13	24505	1	39	74015	Taptite 1/4-20 x 3/8	5
	14	64002	1	40	67001	Cotter Pin 3/32 x 3/4	1
	15	63032	1	41	24353	Return Clip	1
	16	59053	1	42	74054	Taptite #10-24 x 3/8	2
	17	60012	1	43	24428	Activating Shaft	1
	18	24021	1	44	83172	Extension Spring 3-3/8	1
	19	24357	1	45	55037	Flange Bushing	1
		Engine Pulley ((75))	1	46	11031	Spacer	1
		Engine Pulley (50,51,71,73,74,76,77)	1	47	24537	Idler Arm	1
		Straight Key 1/4 x 1-3/4 x 1/4	1	48	83094	Extension Spring 3-1/16	1
		Pulley	1	49	67004	Cotter Pin 1/8 x 1"	1
				50	64052	Washer .380/.385 x .812 x 24 Ga	1
				51	10260	Wave Washer	1
				52	24507	R.H. Support	1
				53	24501	L.H. Support	1
				54	63003	Lock Washer 5/16	4
				55	65015	Nut 5/16-18	4
				56	24597	Plate	1
				57	75097	Knob W/10-24	1
					24587	Tapped Metal Insert (71)	
						Spacer	4

- (A)924050 S/N 063957
- 924051 S/N 000530
- 924071 S/N 008200
- 924073 S/N 007797
- (B)924050 S/N 064100 085100
- 924051 S/N 000600 000700
- 924071 S/N 008201
- 924073 S/N 007901 012400
- (C)924050 S/N 085101
- 924051 S/N 000701
- 924073 S/N 012401
- 924077 S/N 000101

Reduction Drive

Models 924050, 51, 71, 73, 74, 75, 76, 77



Reduction Drive

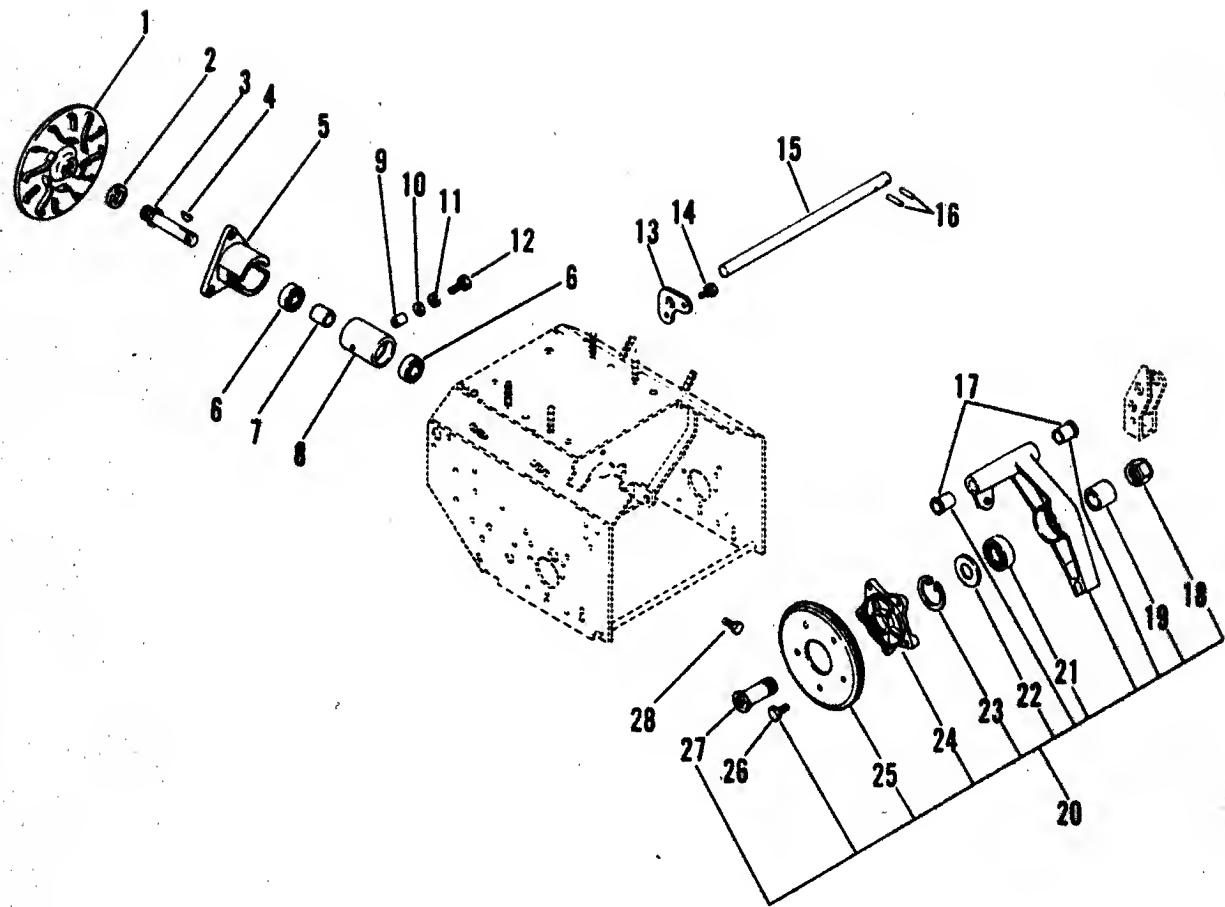
Models 924050, 51, 71, 73, 74, 75, 76, 77

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	74015	Taptite 1/4-20 x 3/8	6	28	58029	Roll Pin 5/32 x 1"	1
2	24077	Shaft Support	2	29	58009	Roll Pin 1/8 x 1"	1
3	12023	Bearing Retainer (74,75)	2	30	24074	Pinion Chain	1
	24363	(A) Bearing Retainer (50,51,71,73)	2	31	524002	Pinion & Sprocket (75)	1
	24578	(B) Bearing Retainer (50,51,71,73,76,77)	2		524032	Pinion & Sprocket (50,51,71,73,74,76,77)	1
4	54136	(A) Ball Bearing (50,51,71,73)	2	32	55026	Flange Bushing	2
	54177	(B) Ball Bearing (50,51,71,73,76,77)	2	33	13136	Zerk Fitting	1
	55030	Bushing (74)	2	34	10211	Spur Gear (75)	1
	55039	Bushing (75)	2		24396	Spur Gear (74)	1
5	64033	Washer .750/.760 x 1.375 x .125	2		524053	Differential (50,51,71,73)	2
	64170	Washer 1.135/1.145 x 1.718 x .134	2	35	524054	L.H. Axle (71,73)	1
6	70011	Rib Neck Bolt 1/4-20 x 5/8	8		524055	L.H. Axle (50,51)	1
	70058	Rib Neck Bolt 1/4-20 x 1/2	8	36	55057	Sleeve Bushing	1
7	65056	Flange Whiz-Lock Nut 1/4-20	8	37	63025	Lock Washer 1/4	1
8	24045	Hex Shaft (50,51,71,73,74)	1	38	22093	Zerk Fitting	2
	24338	Hex Shaft (75)	1	39	55029	Sleeve Bushing	1
9	66015	Woodruff Key 1/8 x 5/8 x 1/4	1	40	58042	Groove Pin 1/4 x 1-3/4	1
10	10276	9 Tooth Sprocket	1	41	524059	Lockout Hub Assembly (50,51,71,73)	1
11	12078	Idler Chain (75)	1	42	58032	Roll Pin 3/32 x 1"	1
	24073	Idler Chain (50,51,71,73,74)	1	43	10375	Knob	1
12	64003	Washer .526/.546 x 1.062 x .095	2	44	10372	Lockout Hub	1
13	3085	Bearing Flange	1	45	83007	Compression Spring 1"	1
14	54080	Radial Bearing 1/2 I.D.	1	46	10374	Pin	1
15	24141	Bearing Flange	1	47	24323	Wheel Hub (75)	2
16	65094	Twin Whiz-Lock Nut #10-24	4		24398	Wheel Hub (74)	2
17	65054	Center Lock Nut 1/2-20	1	48	64033	Washer .750/.760 x 1.375 x .125	2
18	65018	Nut 3/8-16	2		64036	Washer .875/.885 x 1.380 x .062	2
19	63014	Lock Washer 3/8	2	49	58003	Roll Pin 3/16 x 1-1/4	2
20	64093	Washer .380/.385 x .812 x .062	2	50	67014	Cotter Pin 1/8 x 1-1/4	2
21	24475	Reduction Shaft	1	51	66011	Feather Key 3/16 x 1-1/4 x 3/16	2
22	55040	Sleeve Bushing	2	52	24322	Axle Shaft (75)	1
23	524052	Reduction Sprocket	1		24397	Axle Shaft (74)	1
24	24366	Shaft Support (50,51,71,73,74,76,77)	1	53	66008	Woodruff Key 1/4 x 7/8 x 3/8	1
	24339	Clutch Stop (75)	1		66012	Woodruff Key 1/4 x 3/4 x 5/16	1
25	74052	Taptite 1/4-20 x 1/2	1	54	58030	Roll Pin 3/16 x 1-1/2	1
26	64039	Washer .625/.635 x 1.005 x 24 Ga	5	55	24371	R.H. Axle (71,73)	1
27	24367	Pinion Shaft	1		24409	R.H. Axle (50,51)	1

(A)924050 S/N <085100
 924051 S/N <000700
 924071 S/N <008200
 924073 S/N <012400
 (B)924050 S/N 085101>
 924051 S/N 000701>
 924071 S/N 008201>
 924073 S/N 012401>

Friction Wheel Drive

Models 924050, 51, 71, 73, 74, 75, 76, 77



Friction Wheel Drive

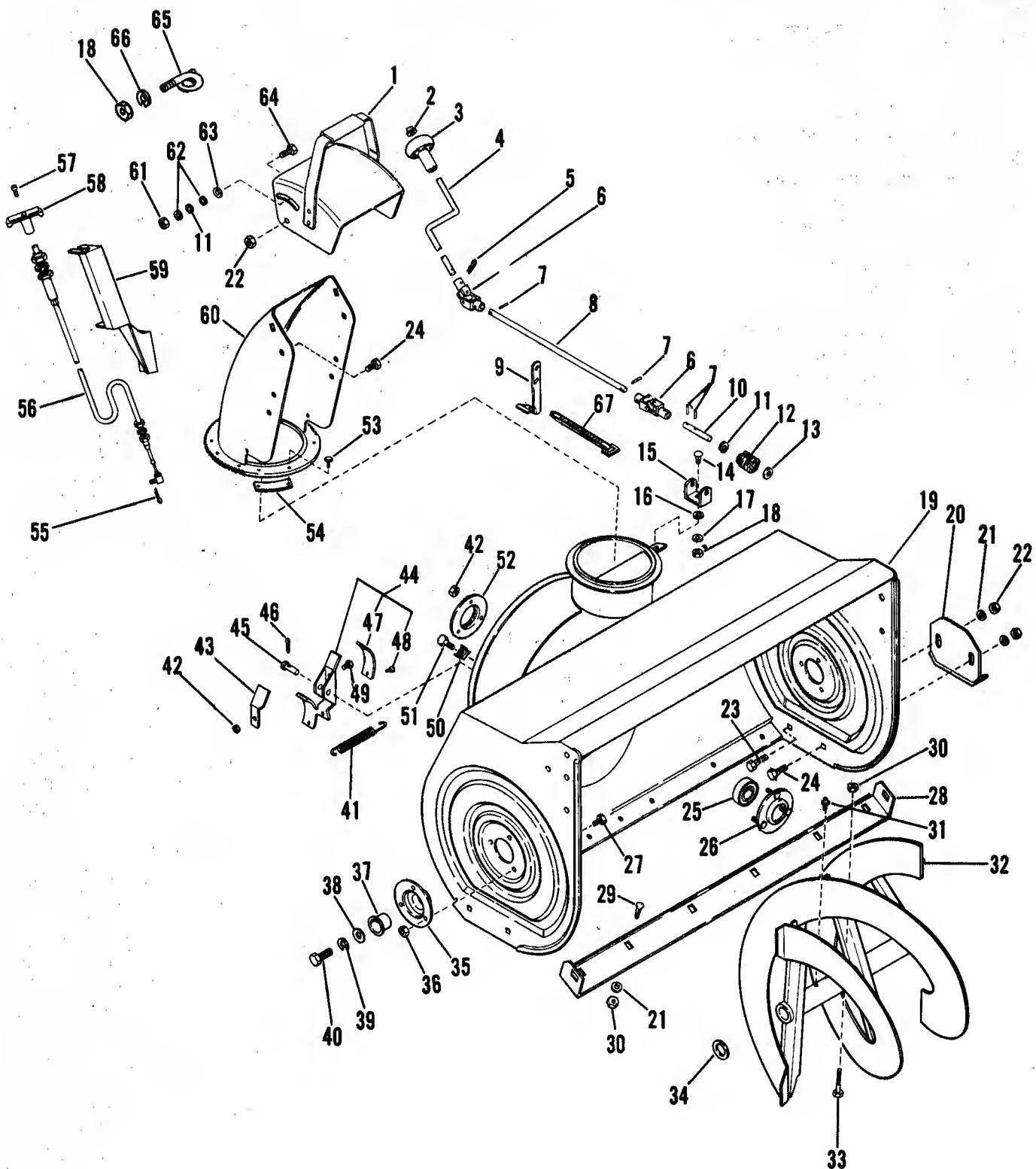
Models 924050, 51, 71, 73, 74, 75, 76, 77

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	10546	Drive Disc	1	15	24081	Carrier Shaft	1
2	24071	Drive Disc Spacer	1	16	58029	Roll Pin 5/32 x 1"	2
3	24076	Spindle	1	17	55026	Flange Bushing	2
4	66006	Woodruff Key 1/8 x 1/2 x 13/64	1	18	65086	Nylon Lock Nut 7/8-14	1
5	22003	(A)Spindle Housing	1	19	55126	Sleeve Bushing	1
5	24582	(B)Spindle Housing	1	20	524046	Carrier	1
6	54039	Ball Bearing	2	21	54093	Radial Bearing	1
7	24155	Bearing Spacer	1	22	64071	Washer .877/.887 x 1.250 x .062	2
8	22002	(A)Housing Mount	1	23	57021	Snap Ring 1-3/4 x .062	1
	24581	(B)Housing Mount	1	24	24454	Friction Wheel Hub	1
9	3034	Roller	1	25	3003	Friction Wheel	1
10	64123	Washer .339/.359 x .687 x .065	1	26	74014	Taptite 5/16-18 x 1/2	5
11	63003	Lock Washer 5/16	1	27	24455	Spindle Hub	1
12	59003	Cap Screw 5/16-18 x 1"	1	28	74014	Taptite 5/16-18 x 1/2	3
13	24077	Shaft Support	1				
14	74015	Taptite 1/4-20 x 3/8	2				

(A)924050 S/N <085100
 924051 S/N <000700
 924071 S/N <008200
 924073 S/N <012400
 924074 S/N 000101>
 924075 S/N 000101>
 (B)924050 S/N 085101>
 924051 S/N 000701>
 924071 S/N 008201>
 924073 S/N 012401

Auger/Impeller

Models 924050, 51, 71, 73, 74, 75, 76, 77



Auger/Impeller

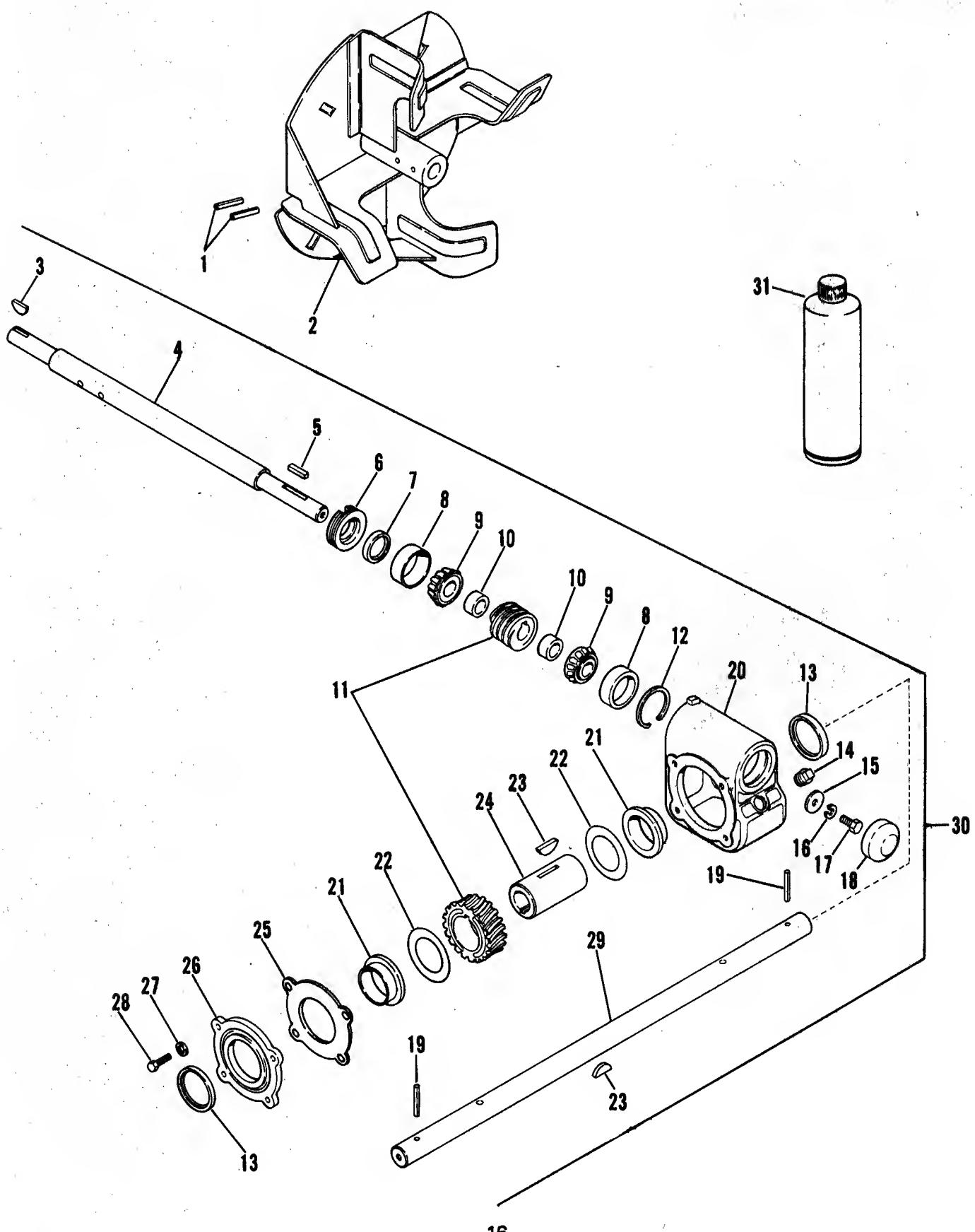
Models 924050, 51, 71, 73, 74, 75, 76, 77

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	524061	(A) Deflector (50,73,74,75)	1	31	22093	Zerk Fitting	4
	531144	(B) Deflector (71,73,76,77)	1	32	524013	32" R.H. Auger (73)	1
2	10198	Cap	1	524014	32" L.H. Auger (73)	1	
3	75083	Knob	1	524039	24" R.H. Auger (50,74,75)	1	
4	24461	Chute Control Crank (50,73,74,75,76,77)	1	524040	24" L.H. Auger (50,74,75)	1	
	24508	Chute Control Crank (71)	1	524063	28" R.H. Auger (77)	1	
5	67004	Cotter Pin 1/8 x 1" (50,74,75)	1	524064	28" L.H. Auger (77)	1	
	67010	Hair Pin (71,73)	2	535034	36" R.H. Auger (71,76)	1	
6	524050	Universal Joint	2	535035	36" L.H. Auger (71,76)	1	
7	58034	Roll Pin 1/8 x 3/4	3	33	510015	Shear Bolt w/Nut	2
8	24346	Rod (50,73,74,75)	1	34	64046	Washer 1.005/.1.015 x 1.505 x .062	2
	24504	Rod (71)	1	35	24374	Bearing Support	2
9	24434	Chute Crank Bracket (50,73,74,75,76,77)	1	36	65056	Flange Whiz-Lock Nut 1/4-20	6
	24503	Chute Crank Bracket (71)	1	37	55035	Flange Bushing	2
10	10494	Worm Shaft (50,73,74,75)	1	38	64047	Washer .506/.516 x 1.441 x .125	2
	24514	Worm Shaft (71,73,76,77)	1	39	63006	Lock Washer 1/2	2
11	10260	Wave Washer (50,73,74,75)	1	40	59024	Cap Screw 1/2-13 x 1"	2
	13202	Wave Washer (71,73,76,77)	1	41	83164	Extension Spring 5-1/4	1
12	24500	L.H. Worm Gear	1	42	65040	Center Lock Nut 1/4-20	4
13	64168	Plastic Washer .390 x .875 x .062	1	43	24405	Arm Extension (50,74)	1
14	62034	Carriage Bolt 5/16-18 x 3/4	1	44	524048	Arm w/Lining	1
15	22123	Worm Clevis	1	45	24481	Clevis Pin	1
16	63035	Lock Washer 3/8	1	46	67039	Cotter Pin 1/16 x 3/4	1
17	63023	Lock Washer 5/16	1	47	22178	Brake Lining	1
18	65015	Nut 5/16-18	3	48	68067	Oval Rivet 3/16 x 7/16	2
19	524036	24" Auger/Impeller Housing (75)	1	49	59080	Cap Screw 1/4-20 x 5/8	1
	524037	24" Auger/Impeller Housing (50,74)	1	50	70026	Retainer Nut	2
	524038	32" Auger/Impeller Housing (73)	1	51	70031	Flange Whiz-Lock Screw 3/8-16 x 3/4	2
	524043	36" Auger/Impeller Housing (71,76)	1	52	10142	Bearing Flange (50,74,75)	1
	524065	28" Auger/Impeller Housing (77)	1	53	31859	Bearing Flange (71,73,76,77)	1
20	24599	Runner (50,74,75)	2	54	74069	Taptite #10-24 x 1/2	8
	30755	Runner (71,73,76,77)	2	55	24590	Chute Clamp	4
21	64002	Washer .370/.390 x .875 x .083	15	56	67001	Cotter Pin 3/32 x 3/4	1
22	65039	Two Way Lock Nut 3/8-16 Gr A	5	56	69137	Control Cable (71,73,76,77)	1
23	62013	Carriage Bolt 3/8-16 x 1"	2	57	61065	Machine Screw #10-32 x 1/2	1
24	62010	Carriage Bolt 3/8-16 x 3/4	5	58	75137	Tee Handle (71,73,76,77)	1
25	54052	Ball Bearing (71,73)	1	59	24535	Deflector Control Bracket (71,73,76,77)	1
	54063	Radial Bearing (50,74,75)	1	60	24548	(A) Discharge Chute (71,73,76,77)	1
26	3017	Bearing Flange (50,74,75)	1		24499	(B) Discharge Chute (50,73,74,75)	1
	31860	Bearing Flange (71,73,76,77)	1	61	65001	Jam Nut 3/8-16	2
27	70058	Rib Neck Bolt 1/4-20 x 1/2	6	62	65039	Two Way Lock Nut 3/8-16 Gr A	2
28	10164	Scraper Blade (50,74,75)	1	63	64043	Washer .401/.421 x .812 x .065	2
	24373	Scraper Blade (73)	1	64	64067	Washer .390 x .875 x 7 Ga	1
	24592	Scraper Blade (77)	1	65	64168	Plastic Washer .390 x .875 x .062	1
	35192	Scraper Blade (71,76)	1	66	59023	Cap Screw 3/8-16 x 3/4	2
29	62033	Carriage Bolt 5/16-18 x 5/8	5	67	24496	Cable Guide (71)	1
30	65042	Two Way Lock Nut 5/16-18 Gr A	13	66	63003	Lock Washer 5/16	1
				67	69170	Cable Tie	1

(A) 924073 S/N <015900
(B) 924073 S/N 015901>

Gear Case Cast Iron

Models 924071, 73, 76, 77



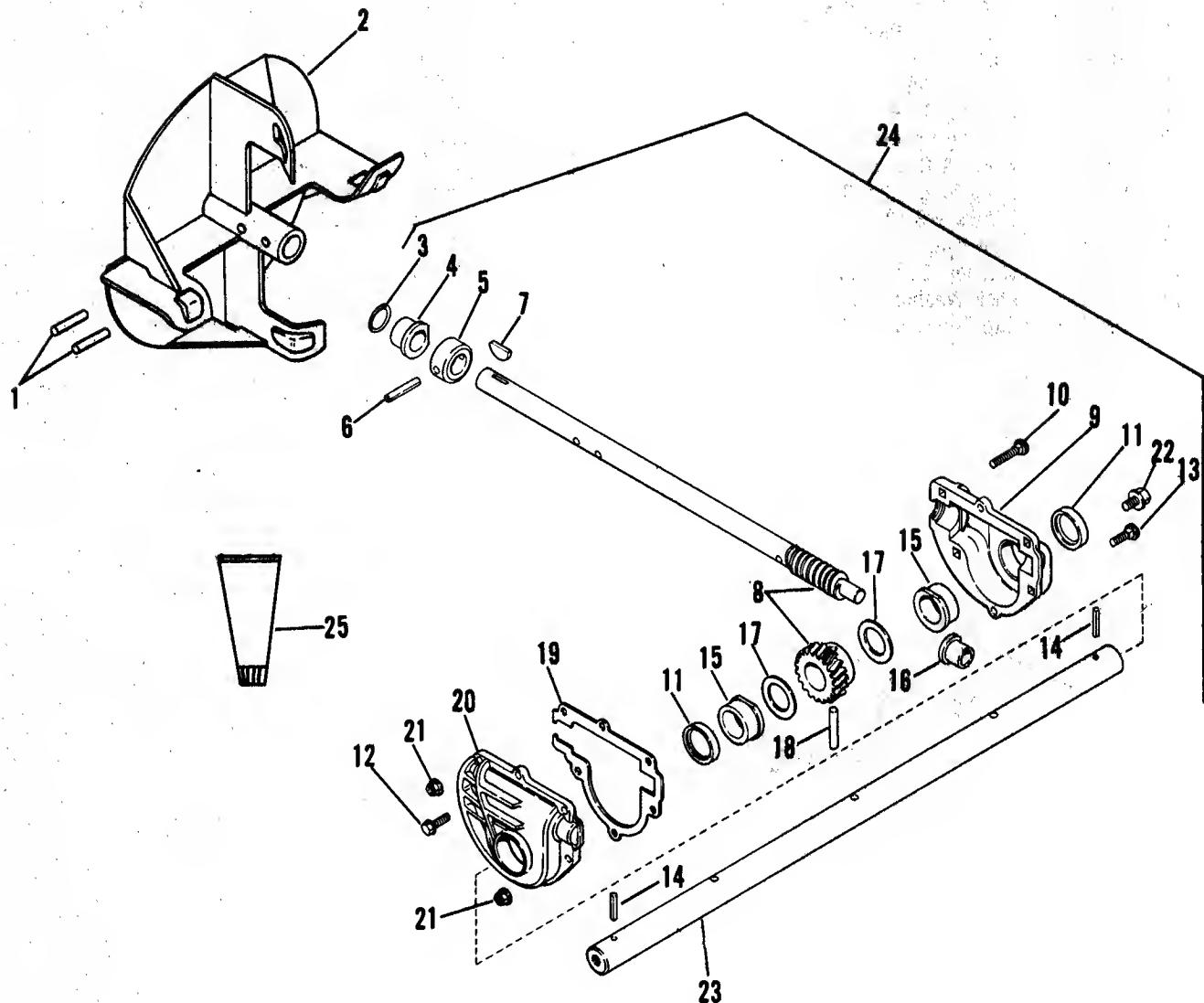
Gear Case Cast Iron

Models 924071, 73, 76, 77

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	58015	Roll Pin 5/16 x 1-3/4	2	18	4037	Dust Cap	1
2	24376	Impeller	1	19	58030	Roll Pin 3/16 x 1-1/2	2
3	66001	Woodruff Key 3/16 x 7/8 x 3/8	1	20	24002	Gear Case	1
4	24375	Worm Shaft	1	21	55059	Flange Bushing	2
5	66013	Straight Key 3/16 x 1" x 3/16	1	22	64087	Washer 1.623/1.627 x 2.5 x .012	2
6	24015	Adjustment Plug	1	23	66008	Woodruff Key 1/4 x 7/8 x 3/8	1
7	56061	Seal 1" ID	1	24	24064	Gear Case Shaft	1
8	54044	Bearing Cup	2	25	2008	Gasket	1
9	54045	Bearing Cone	2	26	24013	Gear Case Cover	1
10	2005	Bearing Spacer	2	27	63017	Lock Washer 1/4	4
11	524009	Worm & Gear Set	1	28	59001	Cap Screw 1/4-20 x 3/4	4
12	57075	Snap Ring 1-25/32 x .062	1	29	24065	Auger Shaft (73)	1
13	56070	Seal 1-5/8 ID	2		24596	Auger Shaft (77)	1
14	1138	Pipe Plug	1		35195	Auger Shaft (71,76)	1
15	64082	Washer .323/.333 x 1" x .094	1	30	524035	Gear Case (Complete)	1
16	63003	Lock Washer 5/16	1			Requires 5 Oz. L-2 Compound	1
17	59022	Cap Screw 5/16-18 x 3/4	1	31	80	16 Oz. L2 Compound	5

Gear Case Aluminum

Models 924050, 74, 75



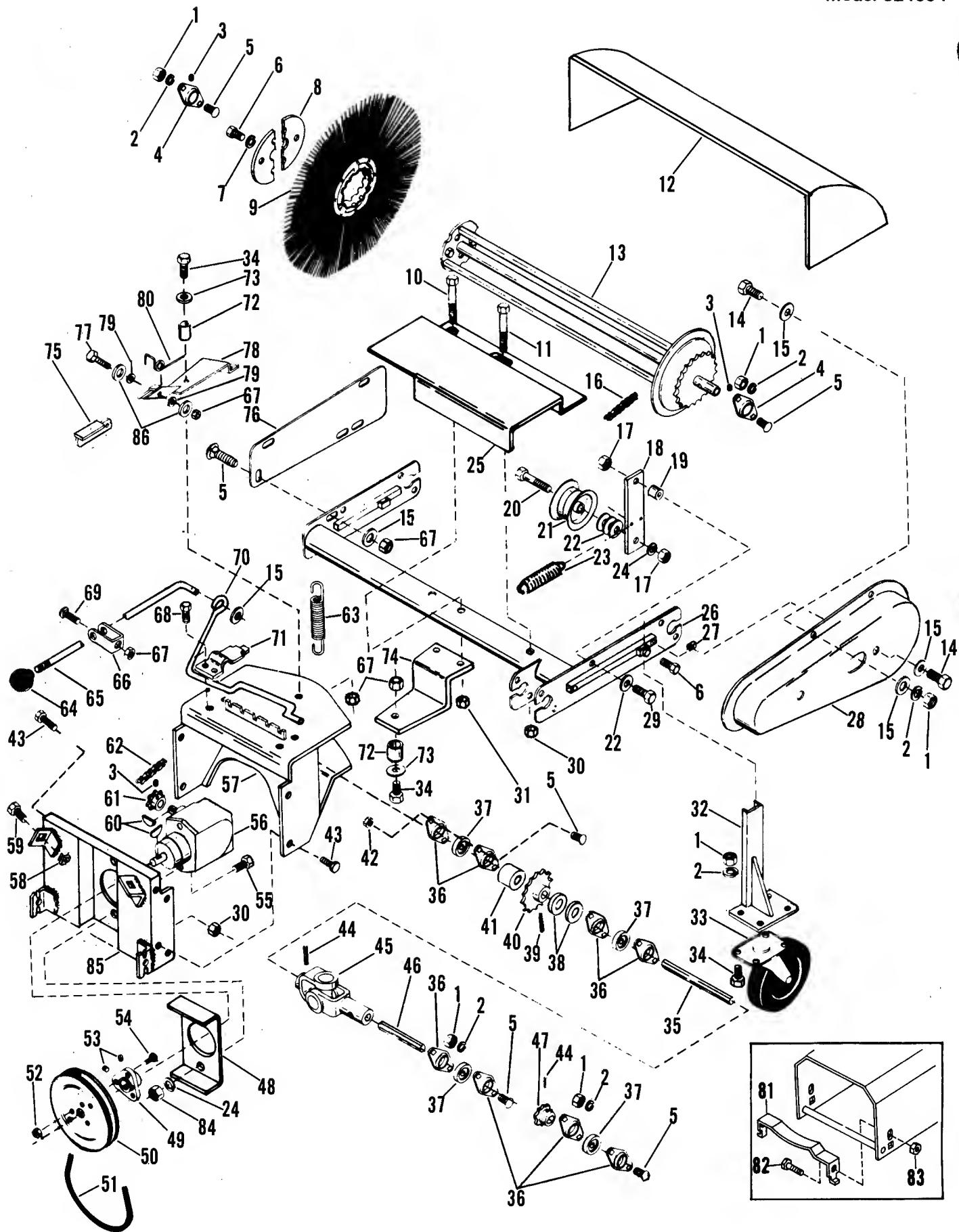
Gear Case Aluminum

Models 924050, 74, 75

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	58037	Roll Pin 1/4 x 1-3/4	2	14	58030	Roll Pin 3/16 x 1-1/2	2
2	24237	Impeller	1	15	55122	Flange Bushing	2
3	56047	O-Ring 3/4 ID	1	16	55111	Flange Bushing	1
4	55112	Flange Bushing	1	17	64166	Washer 1.002/1.012 x 1.5	2
5	32103	Thrust Collar	1	18	58069	Groove Pin 5/16 x 1-7/16	1
6	58045	Groove Pin 3/16 x 1-1/4	1	19	32038	Gasket	1
7	66001	Woodruff Key 3/16 x 7/8 x 3/8	1	20	24380	R.H. Gear Case Half	1
8	524026	Worm & Gear Shaft Set	1	21	65056	Flange Whiz-Lock Nut 1/4-20	4
9	24379	L.H. Gear Case Half	1	22	74016	Taptite 3/8-16 x 1/2	1
10	62001	Carriage Bolt 1/4-20 x 1-1/4	2	23	24383	Auger Shaft	1
11	56061	Seal 1" ID	2	24	524030	Gear Case (Complete)	1
12	74027	Taptite #10-24 x 3/4	2			Requires 2 Oz. Liquid Grease	
13	62054	Carriage Bolt 1/4-20 x 7/8	2	25	72	8 Oz. Tube Liquid Grease	4

Brush

Model 824004



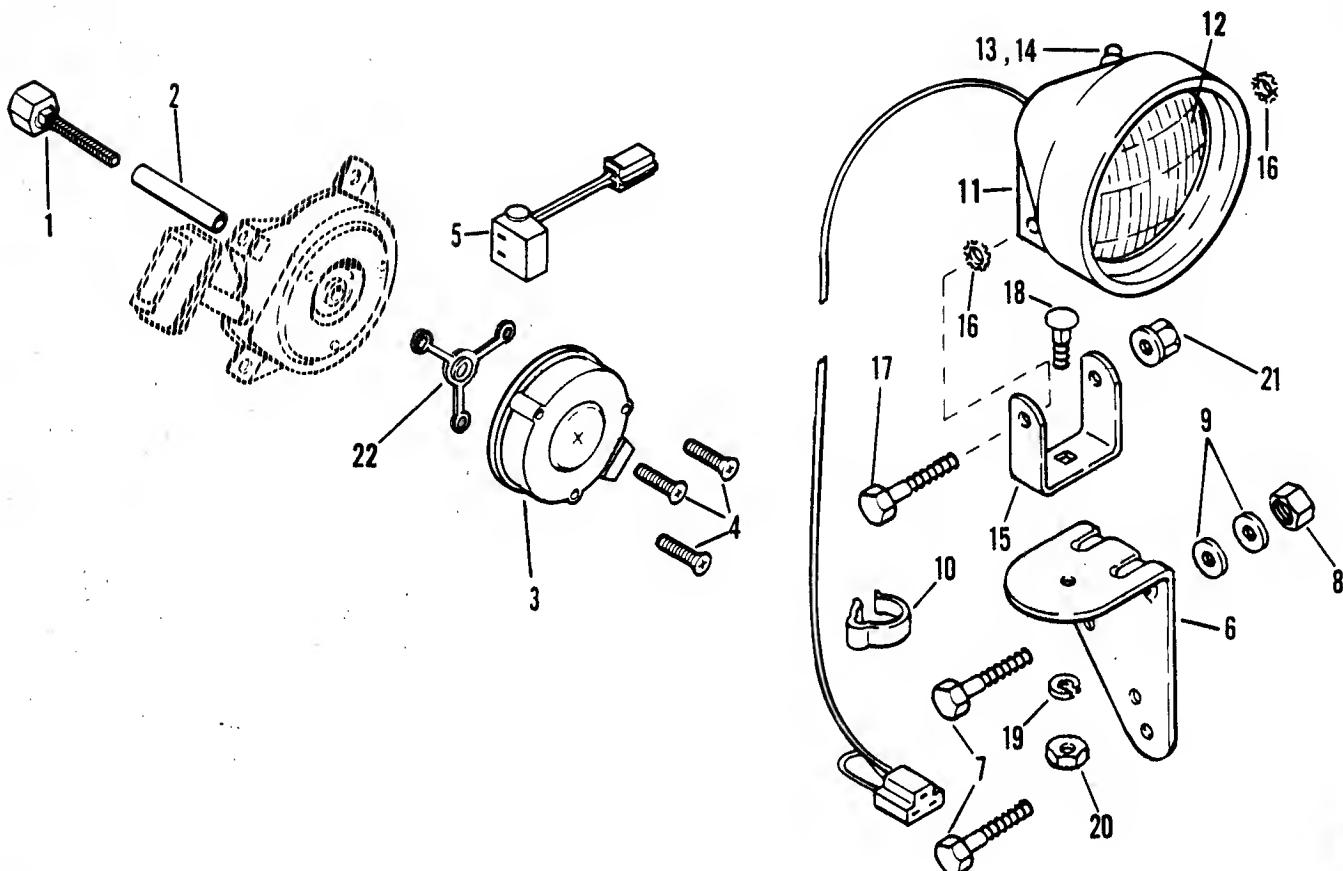
Brush

Model 824004

ITEM NO	PART NO	DESCRIPTION	QTY	ITEM NO	PART NO	DESCRIPTION	QTY
1	65015	Nut 5/16-18	21	45	24306	U-Joint	1
2	63003	Lock Washer 5/16	21	46	24299	Drive Shaft	1
3	60011	Set Screw 1/4-20	4	47	10609	Sprocket	1
4	54096	Bearing	2	48	24295	Stiffener Plate	1
5	62011	Carriage Bolt 5/16-18 x 3/4	12	49	2862	Hub	1
6	59024	Cap Screw 1/2-13 x 1"	4	50	73070	Sheave	1
7	63006	Lock Washer 1/2	2	51	72108	V-Belt	1
8	10629	Retainer Plate	2		72130	V-Belt (71)	1
9	10605	Brush Selection (Poly)	20	52	65078	Lock Nut 5/16-18	3
10	59208	Cap Screw 3/8-16 x 3-1/2	2	53	60012	Set Screw	2
11	59049	Cap Screw 3/8-16 x 3"	1	54	70053	Ribbed Neck Bolt 5/16-18 x 3/4	3
12	10601	Hood	1	55	59005	Cap Screw 3/8-16 x 1-1/4	2
13	10604	Core	1	56	24004	Gear Box	1
14	59003	Cap Screw 5/16-18 x 1"	7	57	24419	Adapter Frame	1
15	64002	Washer 5/16	14	58	70026	Retainer Nut	2
16	10608	Chain	1	59	70031	Lock Screw 3/8-16 x 3/4	2
17	65039	Locknut 3/8-16	2	60	66003	Woodruff Key 3/16 x 5/8 x 5/16	2
18	10602	Idler Arm	1	61	24298	Sprocket	1
19	55066	Bushing	1	62	12078	Chain	1
20	59068	Cap Screw 3/8-16 x 2"	1	63	83033	Extension Spring	1
21	10613	Chain Tightener	1	64	75015	Shift Ball	1
22	64008	Washer 3/8	4	65	1057	Position Rod	1
23	83088	Spring	1	66	22065	Position Support Bracket	1
24	63004	Lock Washer 3/8	3	67	65042	Lock Nut 5/16-18	6
25	24293	Shaft Guard	1	68	70027	Lock Screw 5/16-18 x 3/4	2
26	10600	Brush Frame	1	69	62022	Carriage Bolt 5/16-18 x 1-3/8	1
27	65088	Speed Nut 5/16-18	2	70	24287	Release Rod	1
28	10612	Chain Shield	1	71	25353	Clamp	2
29	59004	Cap Screw 3/8-16 x 1"	1	72	6071	Spacer Bushing	2
30	65059	Lock Nut 3/8-16	5	73	64082	Washer 5/16	2
31	65122	Lock Nut 3/8-16	2	74	24292	Bottom Mount	1
32	24477	Castor Leg	2	75	24418	Latch Bar	1
33	71094	Castor	2	76	10603	Hood Strap	1
34	59022	Cap Screw 5/16-18 x 3/4	10	77	59057	Cap Screw 5/16-18 x 1-1/4	1
35	24291	Shaft	1	78	24417	Top Mount	1
36	24296	Bearing Flange	8	79	64044	Washer 21/64	2
37	54097	Bearing	3	80	83003	Spring	1
38	64185	Washer	2	81	24236	Belt Retainer	1
39	58056	Roll Pin 3/16 x 1-3/4	1	82	59028	Cap Screw 1/4-20 x 1/2	2
40	10620	Sprocket	1	83	65040	Lock Nut 1/4-20	2
41	24476	Spacer	1	84	65018	Lock Nut 3/8-16	2
42	65124	Nut 5/16-18	2	85	24294	Mounting Plate	1
43	59023	Cap Screw 3/8-16	4	86	64079	Washer 11/32	2
44	58030	Roll Pin 3/16 x 1-1/2	1				

Alternator/Headlight

Models 924071, 73
Models 724039, 40, 41, 44



ITEM NO	PART NO	DESCRIPTION	ITEM NO	PART NO	DESCRIPTION
1		*Alternator Shaft 4" 8 HP (924050) S/N 050501X 071901) (Tec. 590611)	9	64044	Washer 1/4
		*Alternator Shaft 3" (Tec. 590613) (932000 Series and 5-7 HP on 924000)	10	69099	Conduit Clamp
		*Alternator Shaft 3-1/2" (924050 S/N 071901X (Tec. 590636)	11	24560	Headlight Assembly (39)
2		*Centering Tube 2.7 to 7 HP (Tec. 590610)	12	24358	Headlight Assembly (71, 73)
		*Centering Tube 8 and 10 HP (Tec. 590609)	13	31149	Headlight Assembly (40, 41, 44, 73, 76) (Consists of items 12 thru 21)
3		*Alternator (Tec. 611077)	14	24100	Headlight GE No. 4411 (71, 73)
4	74076	Self-Tapping Screw No. 8-18 x 1-1/8	15	24098	Headlight GE No. 4414 (39,40,41,44,73)
	74084	Self-Tapping Screw No. 8-18 x 1-1/4	16	63032	Push Button Switch (39)
5	24561	*Lighting Connector (Tec. 611078)	17	59131	Switch Boot (39)
6	59062	Headlight Bracket	18	62015	U-Bracket
7	65040	Cap Screw 1/4-20 x 1-1/4 (932001, 4, 6, 7, 15, 18)	19	63003	Lock Washer 5/16
		Lock Nut 1/4-20	20	65015	Cap Screw 5/16-18 x 2-1/2
			21	65078	Carriage Bolt, 5/16-18 x 1"
			22	24598	Lock Washer 5/16
					Nut 5/16-18
					Flange Whizlock Nut 5/16-18
					Spacer (44)

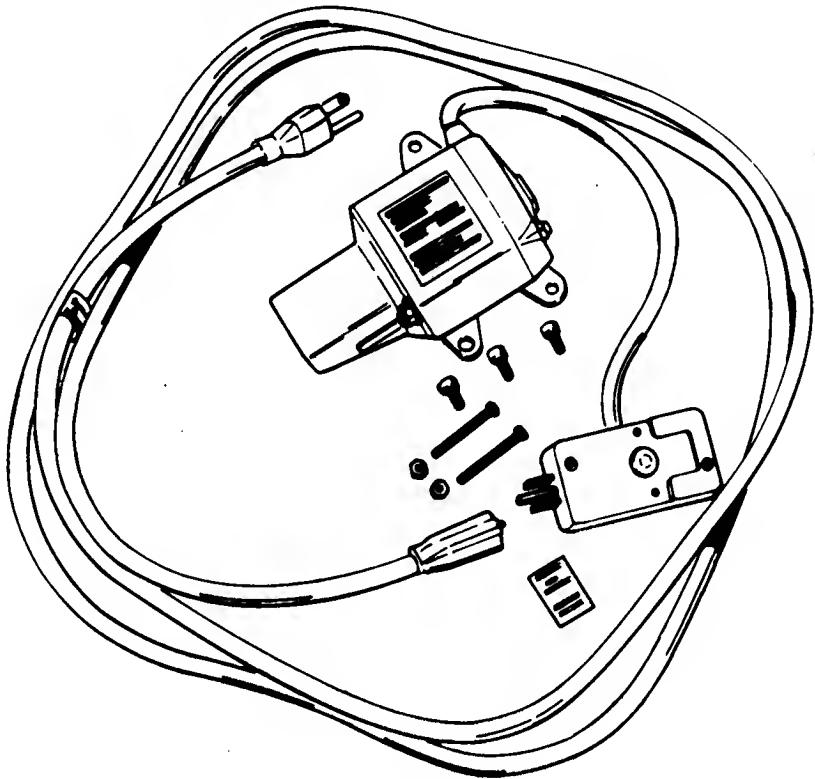
(A) Model 924073 <012400
(B) Model 924073 012401>

120 Volt Electric Starter

Model 724035 Electric Starter Kits (120 Volt) Fit Models 924074 and 924075
Model 724036 Electric Starter Kits (120 Volt) Fit Models 924050, 924051 Or 924073
Model 724019 Electric Starter Kit (120 Volt) Fits Model 924071

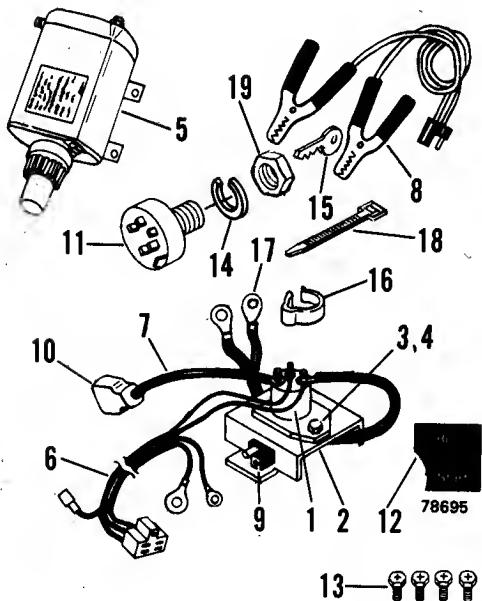
Order Parts From Authorized
Tecumseh Dealer Under Starter
Number.

For Model 724035 Tec. No. 33328B
Model 724036 Tec. No. 33329B



12 Volt Starter

Model 724016 Fits Model 924074, 75
Model 724017 Fits Models 924050 and 924073

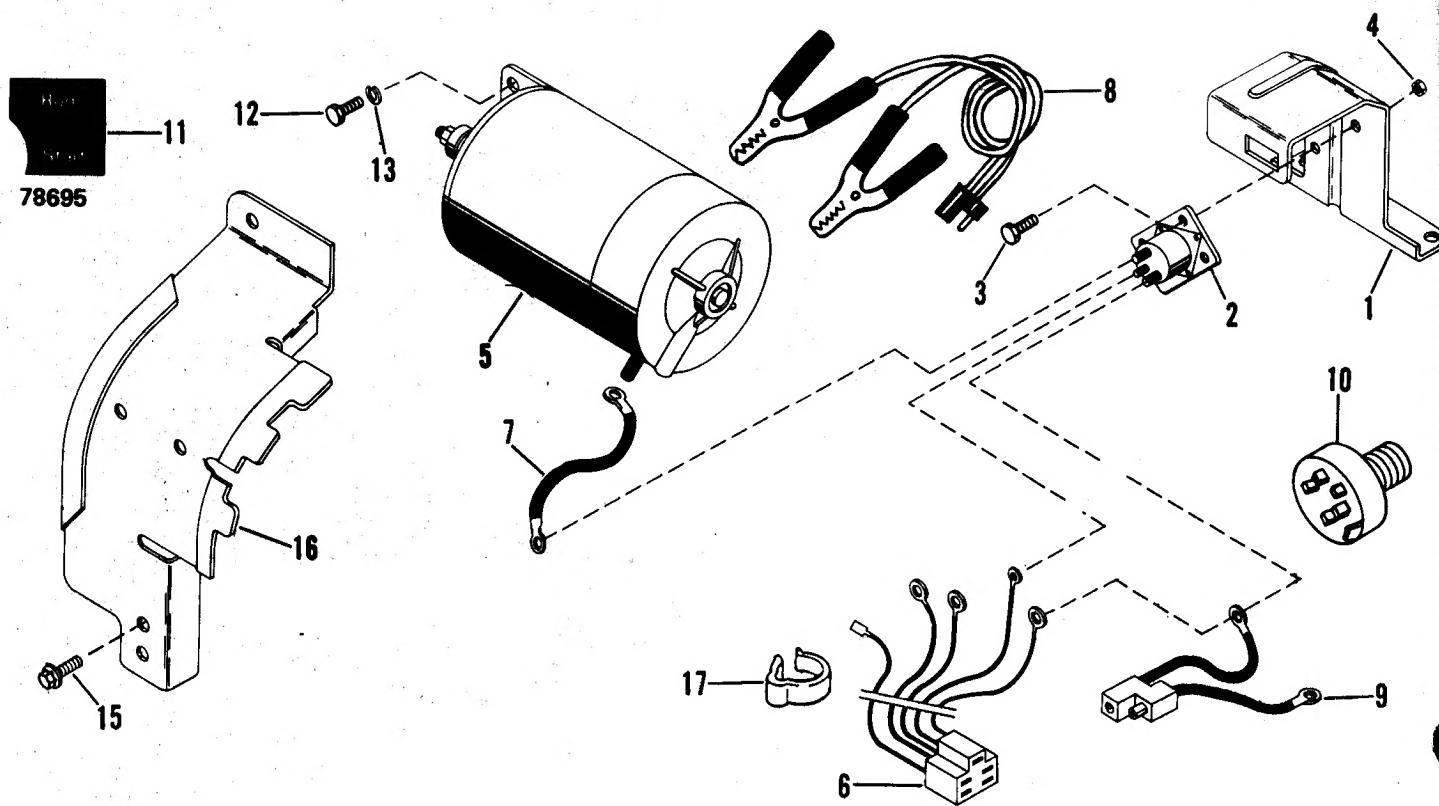


ITEM NO	PART NO	DESCRIPTION
1	24464	Bracket
2	30577	Solenoid
3	59028	Cap Screw 1/4-20 x 1/2
4	65040	Lock Nut 1/4
5		Starter Motor, Tecumseh No. 33606 (724016)
		Starter Motor, Tecumseh No. 33605 (724017)
6	24465	Wiring Harness
7	24583	Starter Cable
8	24462	Jumper Cable
9	24463	Adapter Lead
10	75057	Insulator
11	27396	Ignition Switch Assembly
12	78695	Decal
13	70045	Sems Cap Screw
14	63019	Lock Washer
15	13157	Keys
16	69099	Clamp
17	32267	Ground Wire
18	69053	Tie
19	65075	Key Switch Nut

12 Volt Starter

724018

For Use On 924000 Series
Sno-Thros Equipped With
Briggs & Stratton Engines
Fits Model 924071



ITEM NO.	PART NO.	DESCRIPTION
1	024512	Bracket
2	030577	Solenoid (Includes nuts)
3	059028	Cap Screw 1/4-20 x 1/2
4	065040	Locknut 1/4
5		Starter Motor B & S No. 392749*
6	024465	Wiring Harness
7	024583	Starter Cable
8	024462	Jumper Cable
9	024463	Adapter Lead
10	027396	Ignition Switch Assembly
11	078695	Decal
12	059135	Cap Screw 5/16-18 x 3/4 (For Starter Motor)
13	063003	Lock Washer (For Starter Motor)
14	013157	Keys (Not Shown)
15	074035	Tapping Screw (For Cover-Shield)
16		Cover-Shield, B & S No. 390233*
17	069099	Clamp

*Order replacement from Briggs & Stratton dealer only.

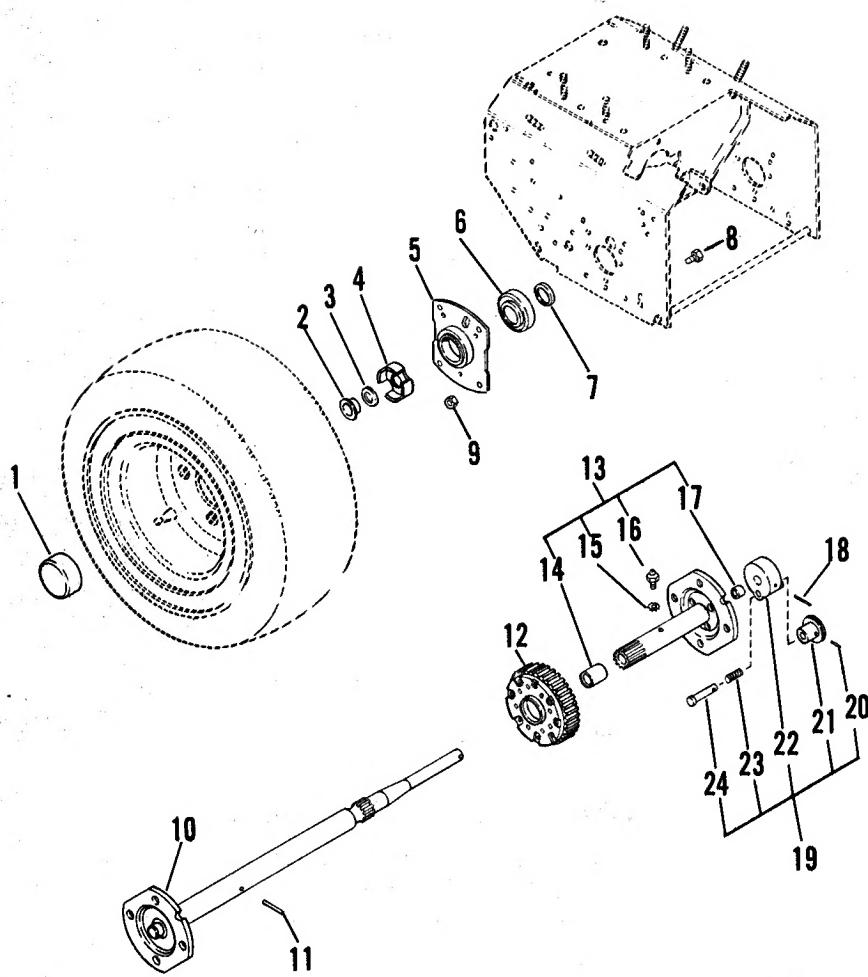
Differential

724015 Fits 924074

710983 Fits 924075

Models 724015

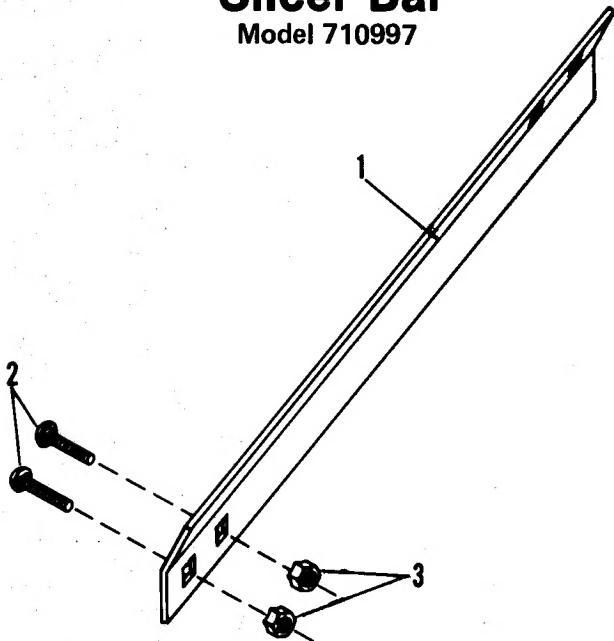
710983



ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	003377	Hub Cap (724015)	12	524053	Differential Assembly (724015)
2	010366	Push Nut		512020	Differential Assembly (710983)
3	064042	Washer 3/4 (710983)	13	524055	L.H. Axle Assembly (724015)
4	003376	Spindle Cup		510030	L.H. Axle Assembly (710983)
5	024363	Bearing Retainer (724015)	14	055075	Bushing (724015)
012023		Bearing Support		055029	Bushing (710983)
6	054136	Bearing (724015)	15	063025	Lock Washer 1/4 Ext.
055030		Bushing (710983)	16	022093	Zerk Fitting
7	064170	Washer 1-1/8 (724015)	17	055029	Bushing
064036		Washer 7/8 (710983)	18	058042	Groove Pin 1/4 x 1-3/4
8	070011	Ribbed Neck Bolt	19	524059	Lockout Hub Assembly
9	065056	Lock Nut	20	058032	Roll Pin 3/32 x 1"
10	024409	R.H. Axle (724015)	21	010375	Knob
010370		R.H. Axle (710983)	22	010372	Lockout Hub
11	058030	Roll Pin 3/16 x 1-1/2 (724015)	23	083007	Compressing Spring
058003		Roll Pin 3/16 x 1-1/4 (710983)	24	010374	Pin

Slicer Bar

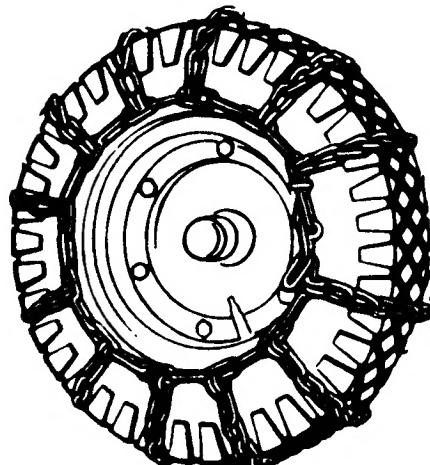
Model 710997



ITEM NO.	PART NO.	DESCRIPTION
1	010242	Slicer Bar
2	062009	Carriage Bolt 5/16-18 x 1/2
3	065042	Locknut 5/16-18

Tire Chains

Models 703944, 703985, 724011



Order Model 703944 Tire Chains
to fit Model 924050 or 924051
(Tire Size: 4.80/4.00 x 8)

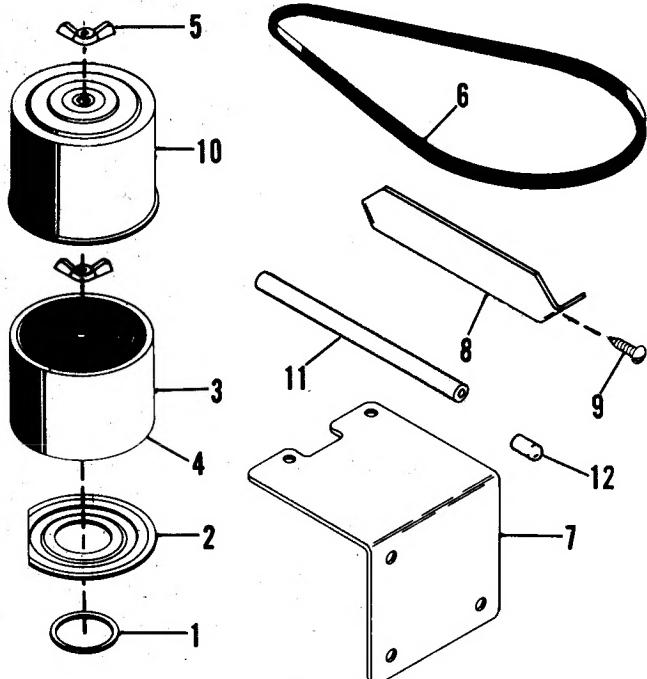
Order Model 703985 Tire Chains
to fit Model 924071 or 924073
(Tire Size: 16/6.50 x 8)

Order Model 724011 Tire Chains
to fit Model 924074 or 924075
(Tire Size: 4.10/3.00 x 6)

Adaptor and Air Cleaner

For Use On 924000 Series
Sno-Thros Equipped With
Briggs & Stratton Engines

Model 724028



ITEM NO.	PART NO.	DESCRIPTION
1	024517	Air Cleaner Gaskets* (270986)
2	024522	Air Cleaner Base* (223268)
3	024518	Air Cleaner Foam Filter* (270782)
4	024519	Air Cleaner Cartridge* (390930)
5	065146	Wing Nut
6	072132	V-Belt (Rotary Mower Attachment)
7	024515	Bracket (Electric Start Kit)
8	024516	Belt Guard Plate (Rotary Mower & Brush Attachment)
9	075035	Sheet Metal Screws
10	024521	Air Cleaner Cover* (222271)
11	024007	Fuel Line
12	075127	Cover

*Parts are available from Briggs & Stratton Dealers only. Order by Briggs Parts No. listed in parenthesis.

Tecumseh Air Cleaner

Model 24005

